

Title (en)
DATA INTEGRITY IN A MESH NETWORK

Title (de)
DATENINTEGRITÄT IN EINEM MESHNETZ

Title (fr)
INTEGRITE DE DONNEES DANS UN RESEAU MAILLE

Publication
EP 1880563 A2 20080123 (EN)

Application
EP 06759119 A 20060504

Priority
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Abstract (en)
[origin: US2006056370A1] Systems and methods for ensuring data integrity in a mesh network. A mesh network can include multiple RF devices. Transmitting quality data in or on the mesh network is improved using communication validation functions. The communication validation functions ensure a reliable communication network, preserve data during a network outage, and validate data. The communication validation functions can measure or control data quality within a communication and analysis network. The communication validation function operates to control data quality, for example, by measuring the quality of wireless links, ensuring the presence of redundant links, testing the ability of the mesh network to establish a backup communication path, generating alarms based on communication thresholds, tracking the communication path followed by communication packets, and identifying placement locations for additional RF devices.

IPC 8 full level
H04B 7/14 (2006.01); **H04L 1/00** (2006.01); **H04L 1/08** (2006.01); **H04L 1/18** (2006.01); **H04L 29/08** (2006.01); **H04W 24/00** (2009.01); **H04W 40/12** (2009.01); **H04W 52/04** (2009.01); **H04W 52/46** (2009.01); **H04W 28/04** (2009.01); **H04W 40/24** (2009.01); **H04W 52/02** (2009.01); **H04W 84/18** (2009.01)

CPC (source: EP US)
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